Phase/Decision Area	Parameters	Units		Unit Rate	TAT	Rush Surcharge	Total	Phase Subtotal	Assumptions				
Baseline Sampling	SVOCs	16	each	$181.28	Std.	0%	$2,900						
Cont. soil stockpiles (assume 3x2 each = 6)	VOCs	16	each	$101.97	Std.	0%	$1,632						
Overburden soil (assume total of 5)	PCBs	16	each	$90.64	Std.	0%	$1,450						
Borrow source (assume total of 5)	NWTPH-DX	16	each	$65.00	Std.	0%	$1,040						
								$ 7,022.24					
Contaminated Soil - landfill criteria	SVOCs	18	each	$181.28	1 Day	100%	$6,526		10 samples first 2,000 cubic yards, and then 1 sample every 5,000 cy following.				
10 samples for the first 2,000 CY	VOCs	18	each	$101.97	1 Day	100%	$3,671		assume all with rush TAT				
1 sample for every additional 5,000 CY (8 for approx. 40,000 CY)	PCBs	18	each	$90.64	1 Day	100%	$3,263						
Assume 18 total	TCLP RCRA Metals	18	each	$129.52	1 Day	100%	$4,663		TCLP = $50.21				
								$ 18,122.76					
Contaminated Soil - TPH field screening	NWTPH-DX	10	each	$65.00	1 Day	100%	$1,300						
Assume 10 throughout excavation								**$ 1,300.00**					
Recovered Product	Bottom Sediment and Water	2	each	$100.00	1 Day	100%	$400						
Assume 2 samples per ERRS	TOX	2	each	$90.64	1 Day	100%	$363						
	PCBs	2	each	$90.64	1 Day	100%	$363						
	Metals	2	each	$130.30	1 Day	100%	$521						
	VOCs	2	each	$101.97	1 Day	100%	$408						
	Flashpoint	2	each	$25.24	1 Day	100%	$101						
	BTU	2	each	$25.24	1 Day	100%	$101						
								$ 2,256.12					
											Samples	In/Ef	Subtotal
Water Treatment	SVOCs (specific list*)	32	each	$158.62	1 Day	100%	$10,152		Startup	5,000 + 20,000 + 50,000	3	2	6
Assume 2 sample points: influent and effluent	*Specific list: benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, bis(2-ethyl hexyl)phthalate, chrysene, n-nitrosodiphenylamine												
Assume 3 sample intervals during start-up (6 samples)	PCBs (total PCBs)	32	each	$84.98	1 Day	100%	$5,439		Weekly		13	2	26
Assumes 2 samples a week for 13 weeks (26)	Metals (specific list**)	32	each	$130.30	1 Day	100%	$8,339						32
Assume 32 total samples	** Specific list: arsenic, cadmium, chromium, copper, lead, thallium, zinc.												
								$ 23,929.60					
Post-Excavation Samples EPA (Bentcik)	SVOCs	5	each	$181.28	Std.	0%	$906						
See calculations below	VOCs	5	each	$101.97	Std.	0%	$510						
	PCBs	5	each	$90.64	Std.	0%	$453						
	NWTPH-DX	5	each	$65.00	Std.	0%	$325						
								$ 2,194.45					
Post-Excavation Samples FHWA (Highway ROW)	SVOCs (Full list, including PAH)-SIM	12	each	$300.00	Std.	0%	$3,600						
See calculations below	VOCs	12	each	$101.97	Std.	0%	$1,224						
	PCBs	12	each	$90.64	Std.	0%	$1,088						
	NWTPH-DX	12	each	$65.00	Std.	0%	$780						
								$ 6,691.32					
Groundwater	SVOCs	8	each	$165.95	Std.	0%	$1,328						
Assume 8 post-removal MWs, 1 sampling event	VOCs	8	each	$90.64	Std.	0%	$725						
	PCBs	8	each	$84.98	Std.	0%	$680						
	NWTPH-DX	8	each	$65.00	Std.	0%	$520						
								$ 3,252.56					
							Subtotal	**$ 64,769.05**					
							CLP (0%)	$ -					
							total with CLP	$ 64,769.05					
							EDDs	$ -	Estimated 10 EDDs				
							Total	**$ 64,769.05**					
Notes on post-excavation soil sampling frequency:													
FHWA:					Total	Total-Rounded							
Excavation floor: 1 sample every 5,000 ft2	area/floor (1 acre per FHWA WP)	43,560	ft2.	5,000	8.712	9							
Excavation sidewalls: 1 sample every 300 feet	perimeter/sidewall (FHWA only)	652	ft	300	2.173333	3							
(note: sidewall doesn't include transition areas or river bank)						12							
EPA:													
Excavation floor: 1 sample every 150'x100' (15,000 ft2)	area/floor	56,000	ft2	15000	3.733333	4							
Excavation sidewalls: 1 sample every 300 feet	perimeter/sidewall	200		300	0.666667	1							
						5							